

Assay Class: Red to Blue
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2010-10-07\Green_10-7-10.xad

Created: 10/7/2010 5:25:05 PM
 Modified: 10/7/2010 5:53:43 PM

Flow Cytometry Run Summary

Assay: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\cells\Red_to_Blue Series II.xsy

Assay Type: Cellular Version: 2.1

Assay Class: Red to Blue

Comments: Red to Blue
 This assay is for applications that apply a red reference dye and analyze blue fluorescent cells within a red population

Acquisition Mode: Default Samples Run: 6

User Name:

Company

Instrument: Instrument Name: DE72905360 Firmware: C.01.069
 Serial #: DE72905360 Type: G2938C

Chip Comments:

Sample Name	Sample Blue Comment	Blue Staining	Red Staining	Stain Total Events	% of Gated	Observation
Mock in EtBr				✓ 197	2	
Delta5				✓ 340	2.1	
Delta3				✓ 256	3.1	
Delta5 plus cut delta3				✓ 125	0.8	
Delta5 plus cut delta3 in EtBr				✓ 125	2.4	
EGFP				✓ 188	47.9	

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Flow Cytometry Assay Details

Data Acquisition Parameters

Number of Available Sample Wells (Max.) : 6
Measurement Mode : Default

Graph Settings

Histogram Settings :

Blue :

Minimum : 0.01
Maximum : 10000
Scale : log

Red :

Minimum : 0.01
Maximum : 10000
Scale : log

Dot Plot Settings :

Blue :

Minimum : 0.01
Maximum : 10000

Red :

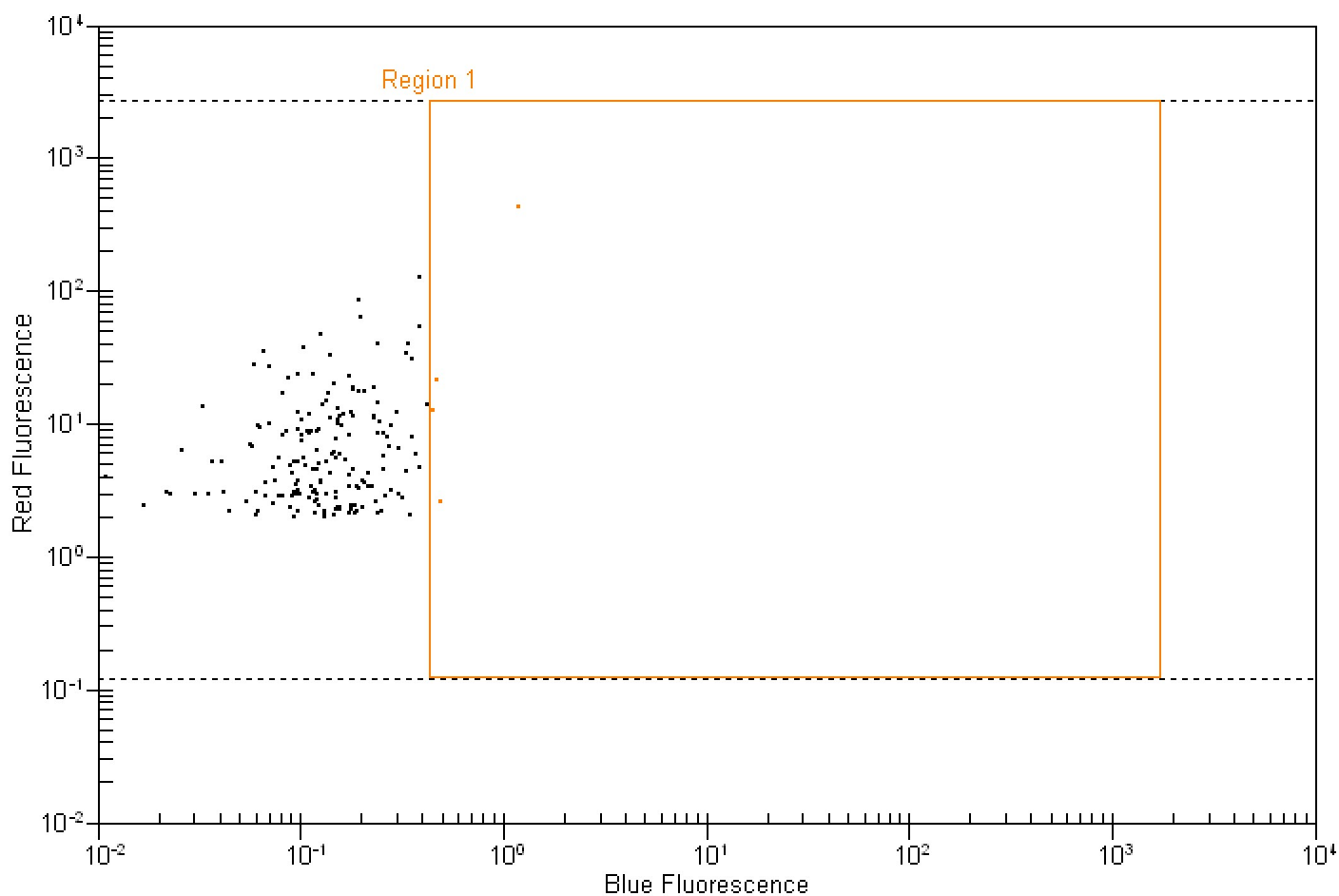
Minimum : 0.01
Maximum : 10000

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Dot Plot Summary

Mock in EtBr



Dot plot statistics for sample 1 :

Mock in EtBr

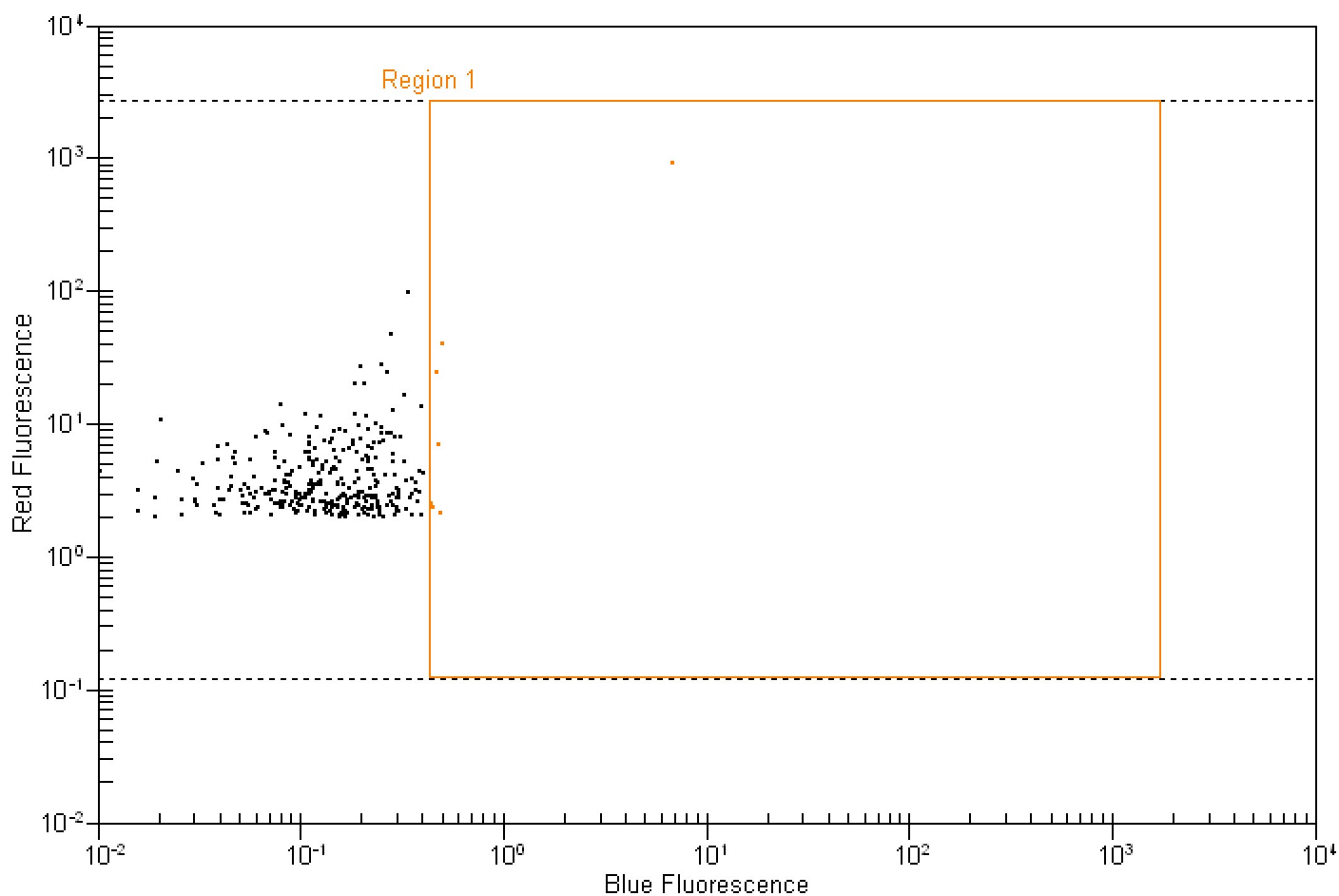
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	11.67	197	100.00	N/A	0.12	32.78	81.61	280.98	0.11	6.01
Region 1	0.65	115.82	4	2.00	2.00	0.31	179.74	47.69	155.19	0.59	23.29

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Dot Plot Summary Continued ...

Delta5



Dot plot statistics for sample 2 :

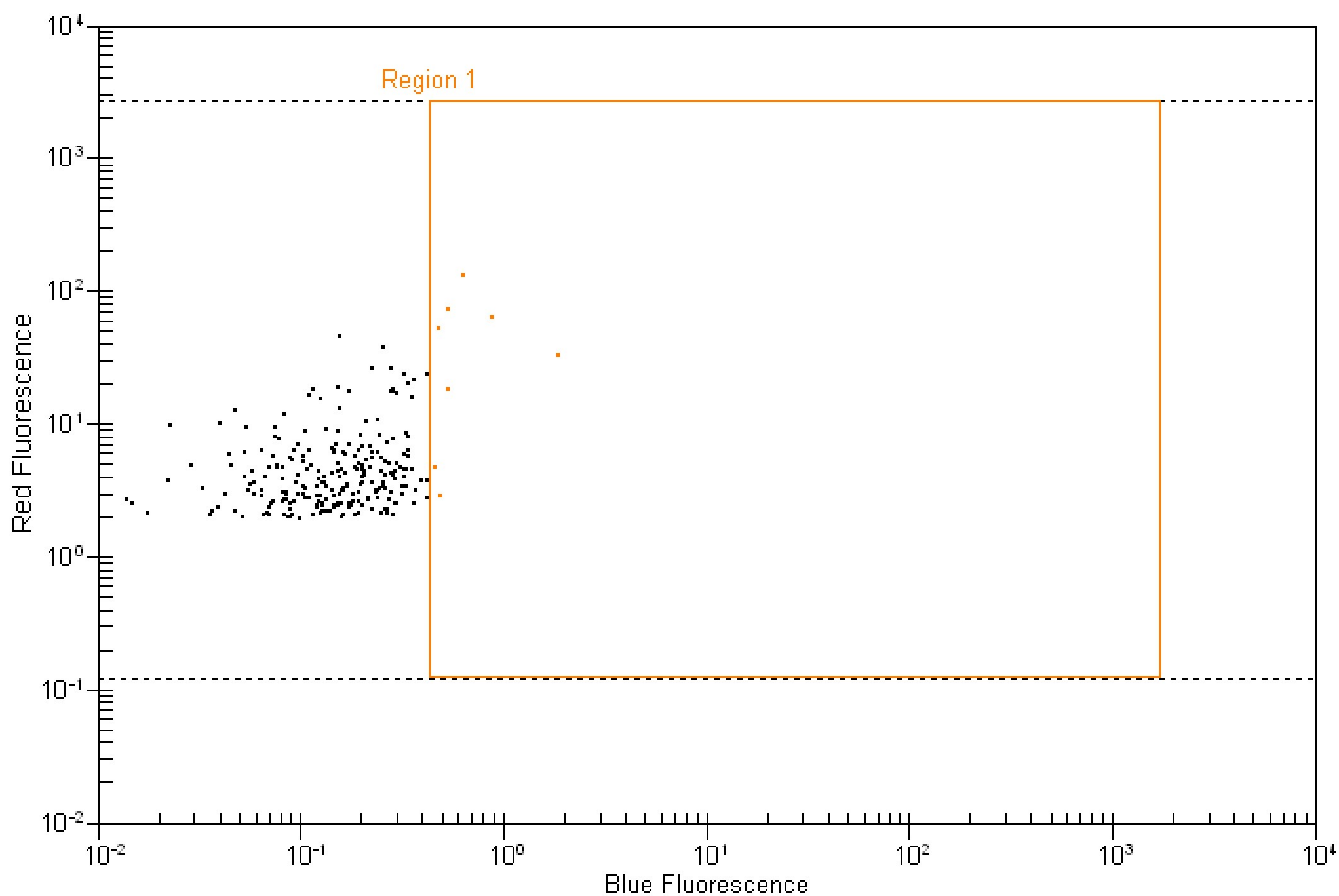
<u>Delta5</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.17	7.68	340	100.00	N/A	0.38	50.51	218.09	657.45	0.12	3.86
Region 1	1.39	143.70	7	2.10	2.10	2.26	320.32	162.06	222.91	0.69	13.44

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Dot Plot Summary Continued ...

Delta3



Dot plot statistics for sample 3 :

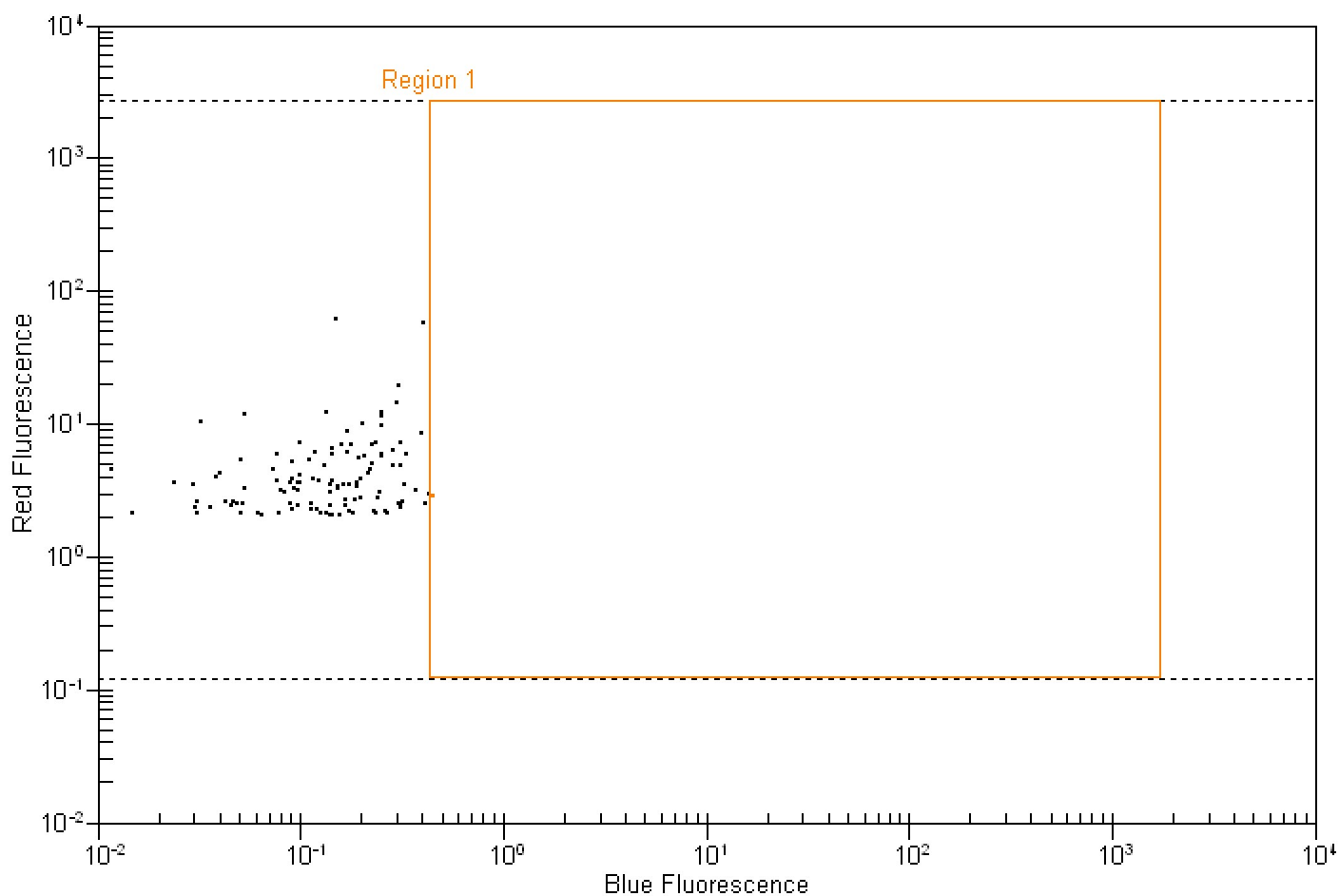
<u>Delta3</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.18	6.75	256	100.00	N/A	0.16	11.41	88.45	168.91	0.13	4.49
Region 1	0.74	46.90	8	3.10	3.10	0.44	39.58	60.14	84.38	0.65	26.44

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Dot Plot Summary Continued ...

Delta5 plus cut delta3



Dot plot statistics for sample 4 :

Delta5 plus cut delta3

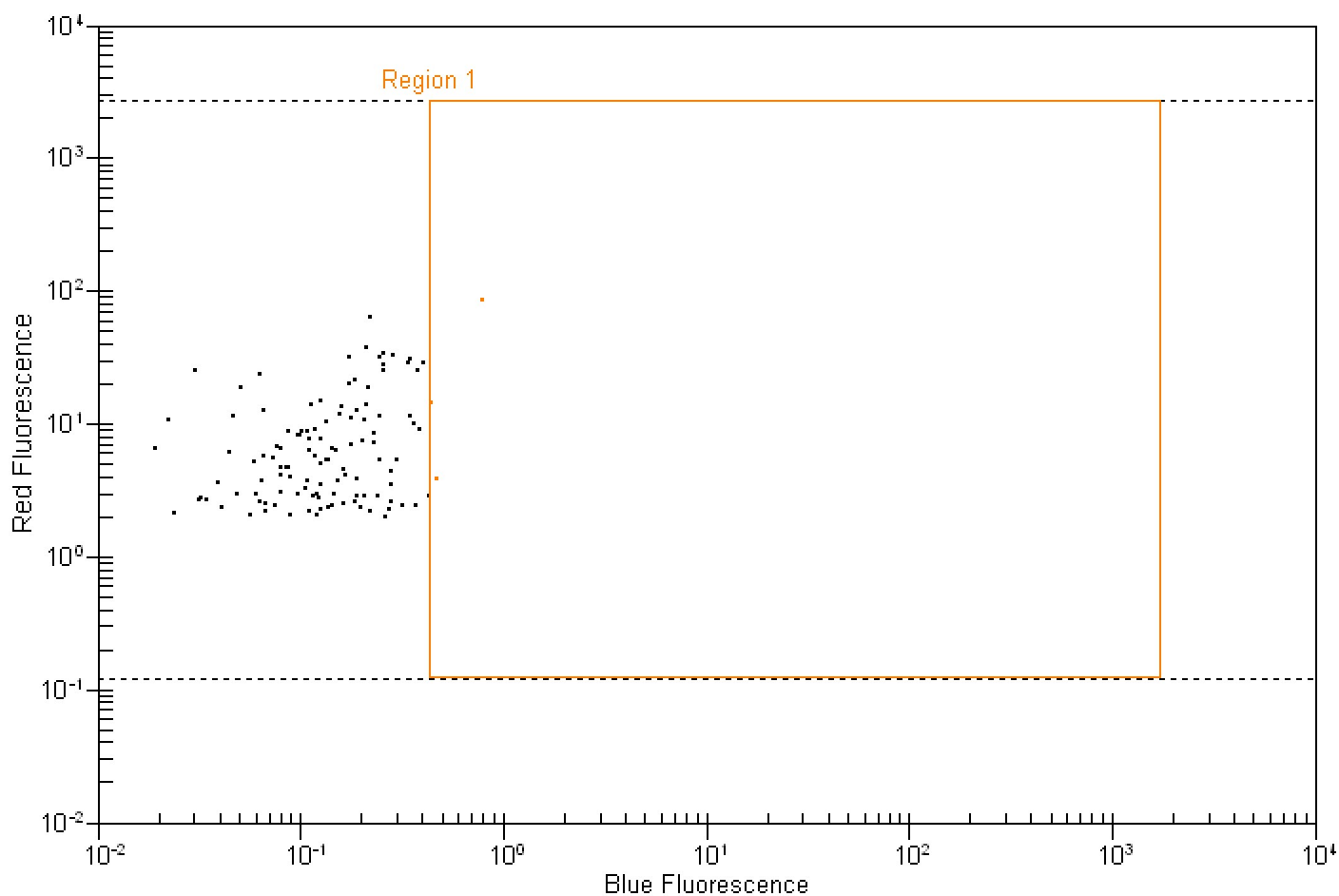
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	5.29	125	100.00	N/A	0.11	7.56	68.23	142.88	0.11	3.97
Region 1	0.45	2.87	1	0.80	0.80	0.00	0.00	0.00	0.00	0.45	2.87

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Dot Plot Summary Continued ...

Delta5 plus cut delta3 in EtBr



Dot plot statistics for sample 5 :

Delta5 plus cut delta3 in EtBr

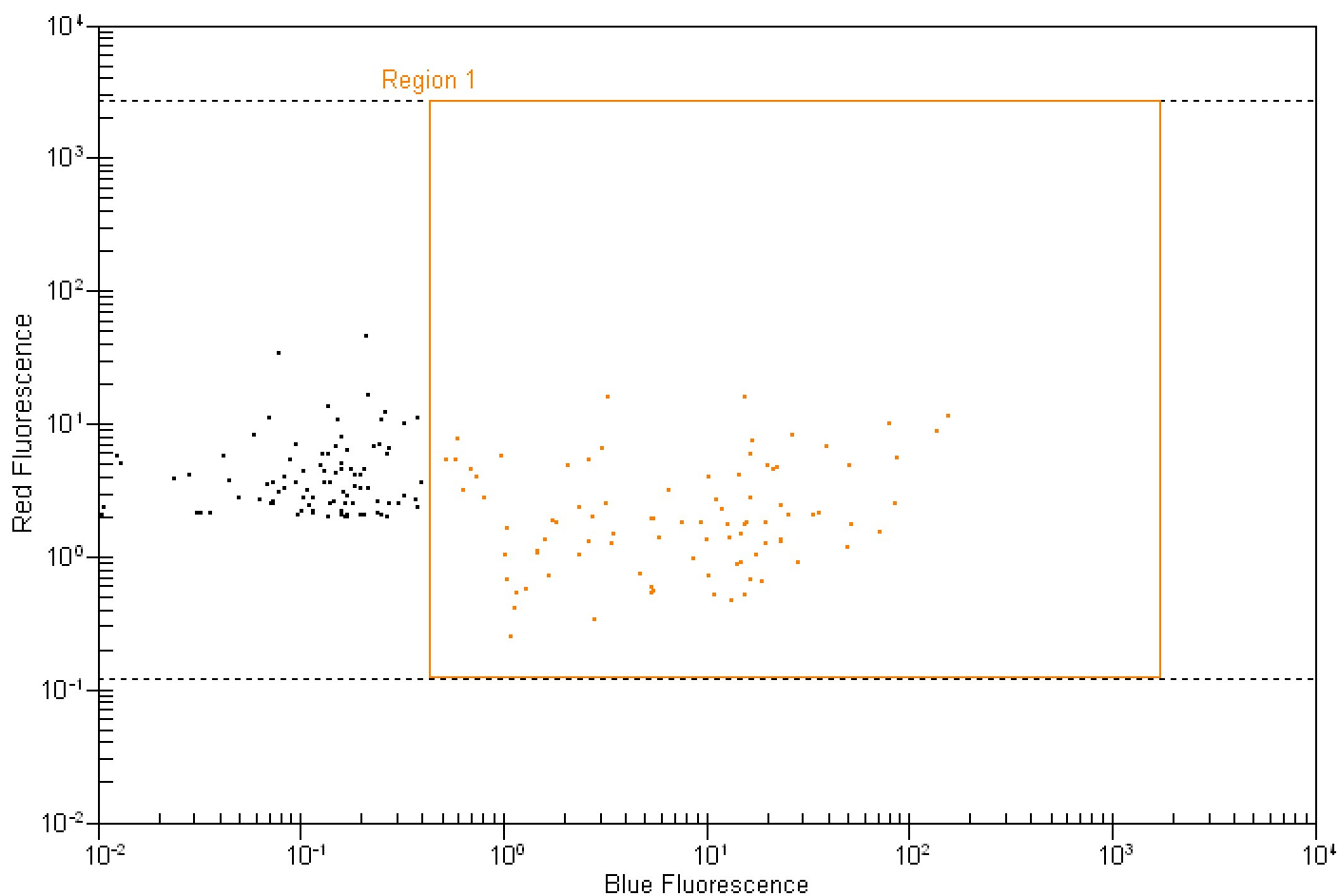
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	9.71	125	100.00	N/A	0.12	11.82	75.83	121.71	0.11	6.27
Region 1	0.57	34.67	3	2.40	2.40	0.16	36.27	28.09	104.63	0.55	16.89

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Dot Plot Summary Continued ...

EGFP



Dot plot statistics for sample 6 :

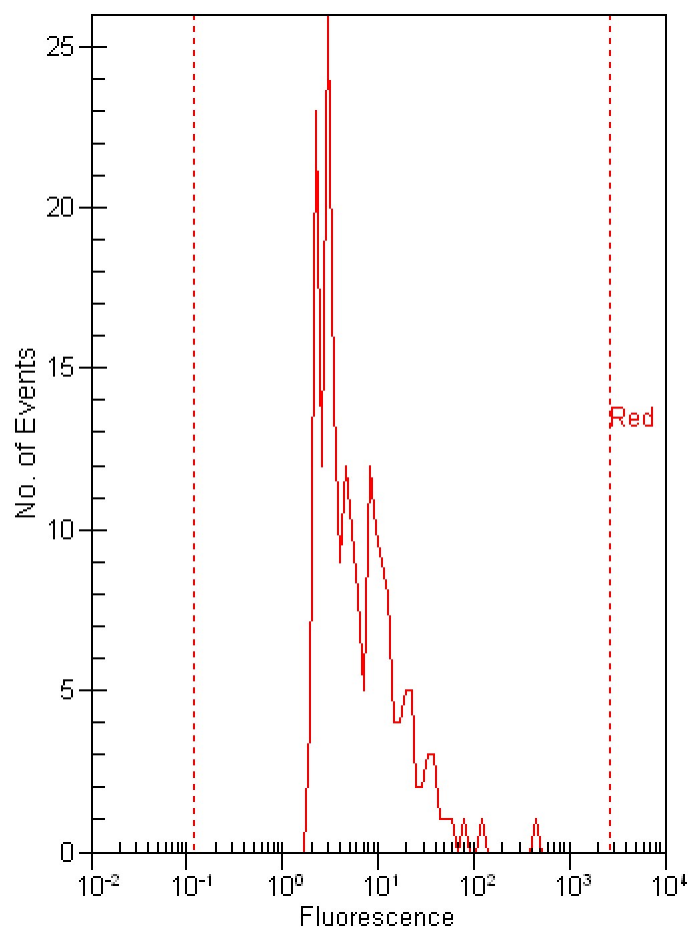
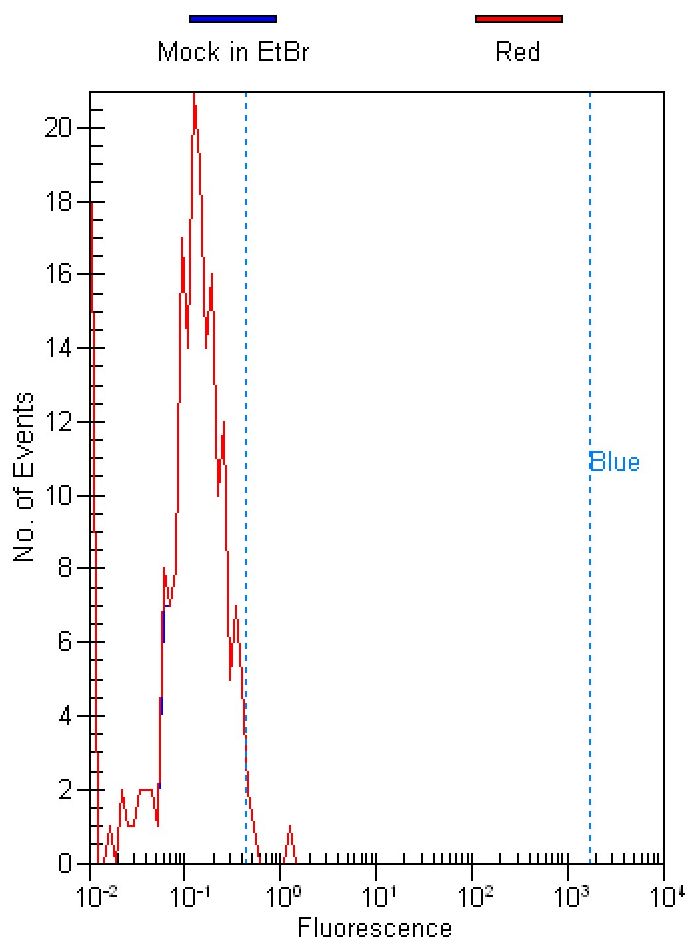
Region	XMean	YMean	#Events	EGFP		StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
				%Total	% of gated						
All Events	8.59	4.01	188	100.00	N/A	20.60	4.76	239.78	118.74	0.81	2.75
Region 1	17.70	2.93	90	47.90	47.90	26.87	3.05	151.85	104.01	7.28	1.92

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Histogram Summary

Mock in EtBr



Histogram statistics for sample 1 :

Mock in EtBr -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	1.18	197	100.00	N/A	0.15	0.12	81.61	0.11
Gated by Red	0.01	1.18	197	100.00	N/A	0.15	0.12	81.78	0.11
Blue on all events	0.43	1754.75	4	2.00	N/A	0.65	0.31	47.69	0.59
Blue on subset	0.43	1754.75	4	2.00	2.00	0.65	0.31	47.69	0.59

Histogram statistics for sample 1 :

Mock in EtBr -

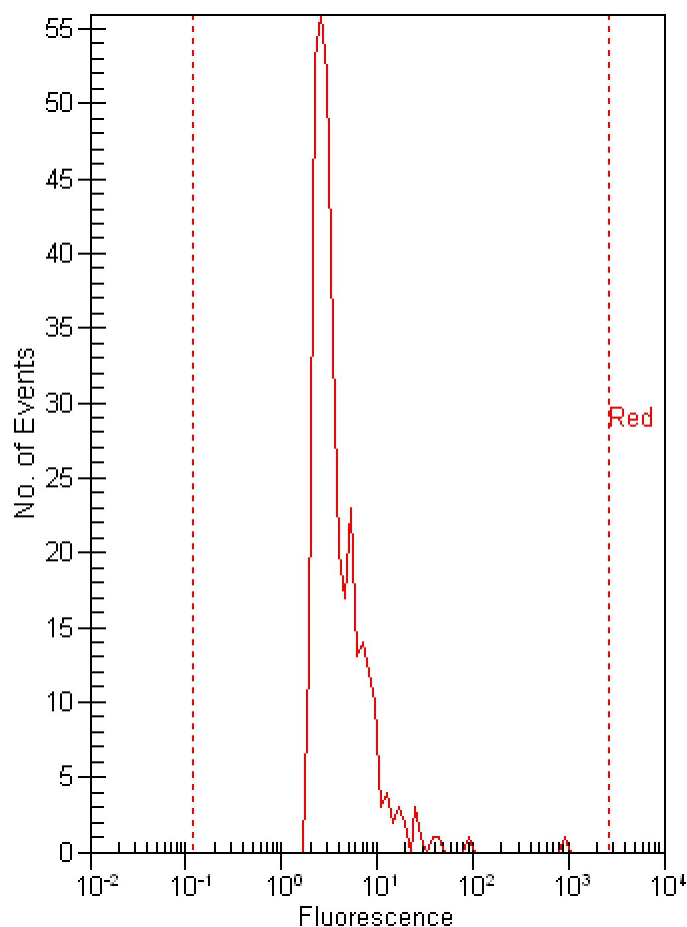
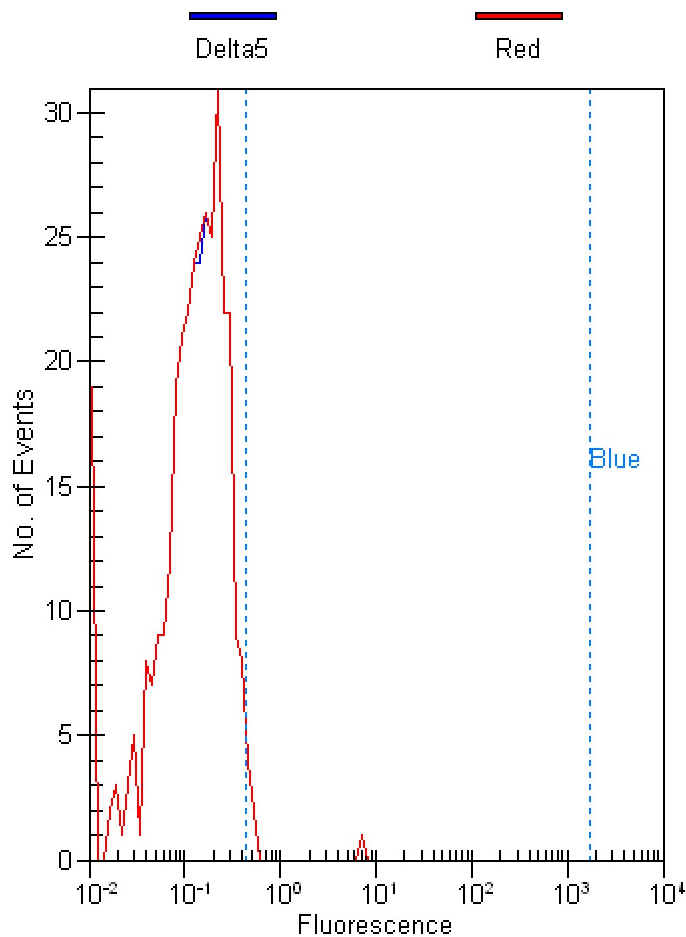
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.01	426.93	197	100.00	N/A	11.67	32.78	280.98	6.01
Red on all events	0.12	2682.70	197	100.00	N/A	11.64	32.70	280.85	6.02

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Histogram Summary Continued ...

Delta5



Histogram statistics for sample 2 :

Delta5 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	6.92	340	100.00	N/A	0.17	0.38	218.09	0.12
Gated by Red	0.01	6.92	340	100.00	N/A	0.17	0.38	217.89	0.12
Blue on all events	0.43	1754.75	7	2.10	N/A	1.39	2.26	162.06	0.69
Blue on subset	0.43	1754.75	7	2.10	2.10	1.39	2.26	162.06	0.69

Histogram statistics for sample 2 :

Delta5 -

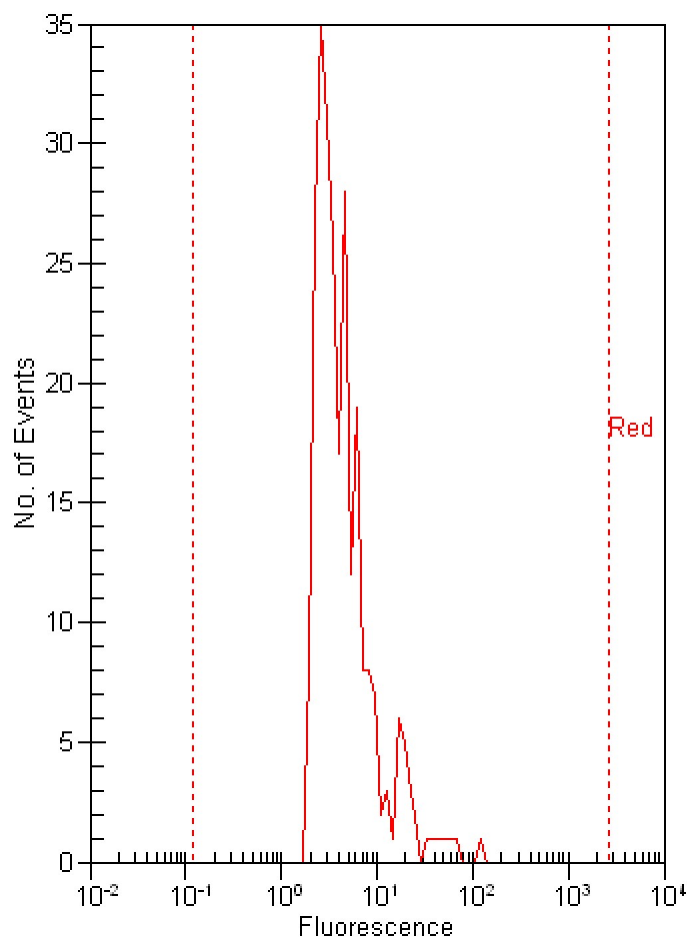
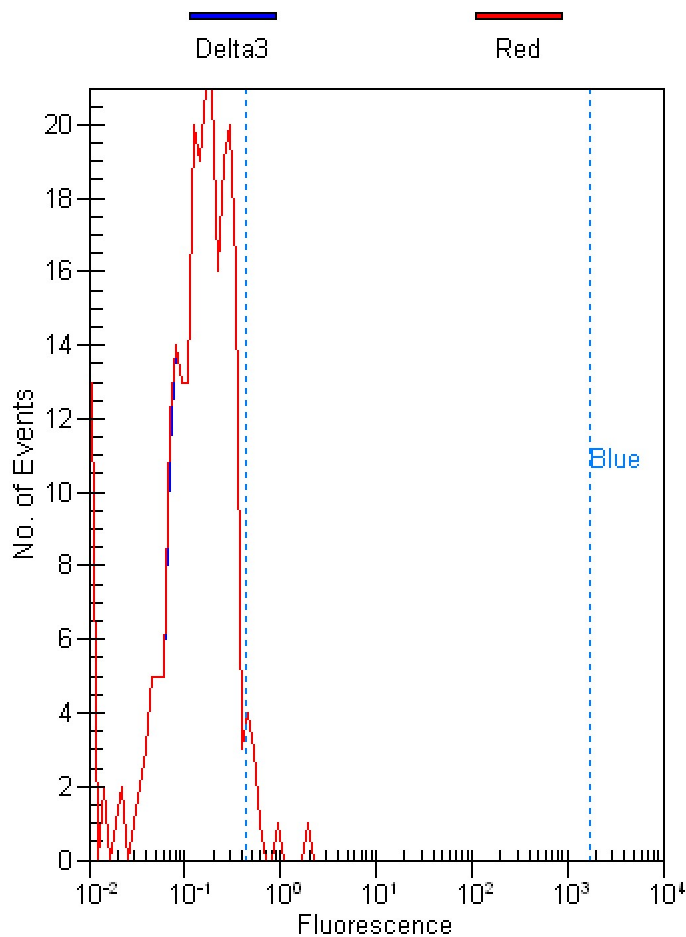
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.98	927.63	340	100.00	N/A	7.68	50.51	657.45	3.86
Red on all events	0.12	2682.70	340	100.00	N/A	7.67	50.43	657.84	3.85

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Histogram Summary Continued ...

Delta3



Histogram statistics for sample 3 :

Delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	1.86	256	100.00	N/A	0.18	0.16	88.45	0.13
Gated by Red	0.01	1.86	256	100.00	N/A	0.18	0.16	88.58	0.13
Blue on all events	0.43	1754.75	8	3.10	N/A	0.74	0.44	60.14	0.65
Blue on subset	0.43	1754.75	8	3.10	3.10	0.74	0.44	60.14	0.65

Histogram statistics for sample 3 :

Delta3 -

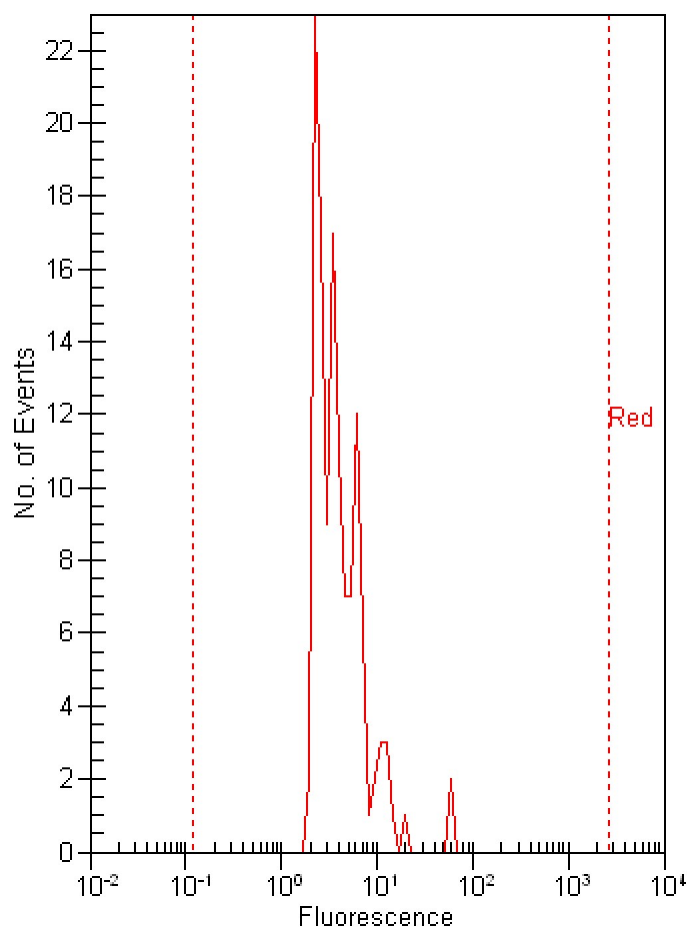
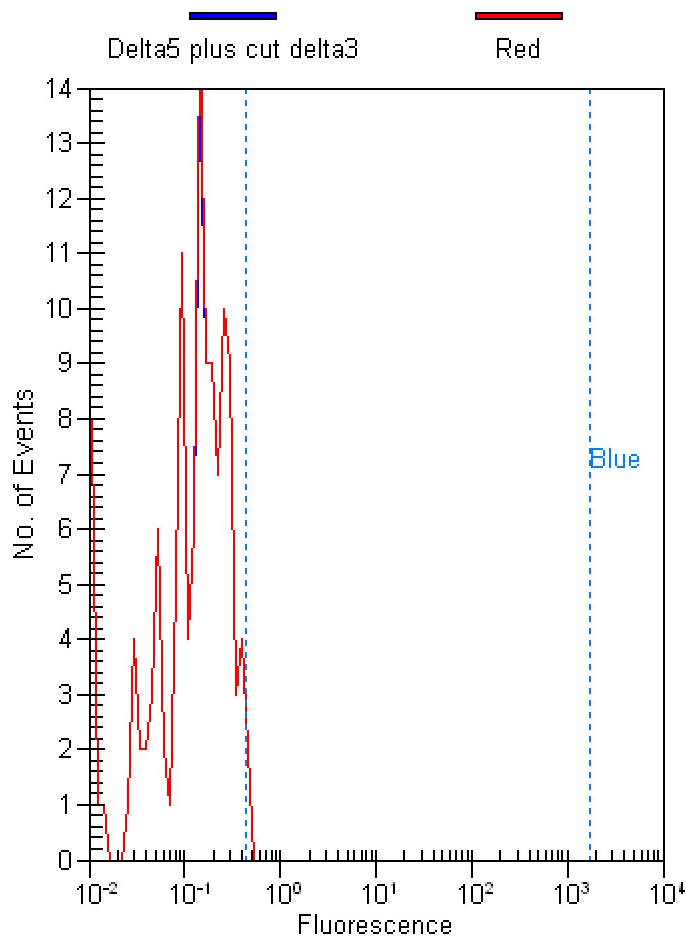
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.92	129.71	256	100.00	N/A	6.75	11.41	168.91	4.49
Red on all events	0.12	2682.70	256	100.00	N/A	6.74	11.39	169.00	4.49

Assay Class: Red to Blue
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Histogram Summary Continued ...

Delta5 plus cut delta3



Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.45	125	100.00	N/A	0.15	0.11	68.23	0.11
Gated by Red	0.01	0.45	125	100.00	N/A	0.15	0.11	68.00	0.11
Blue on all events	0.43	1754.75	1	0.80	N/A	0.45	0.00	0.00	0.45
Blue on subset	0.43	1754.75	1	0.80	0.80	0.45	0.00	0.00	0.45

Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

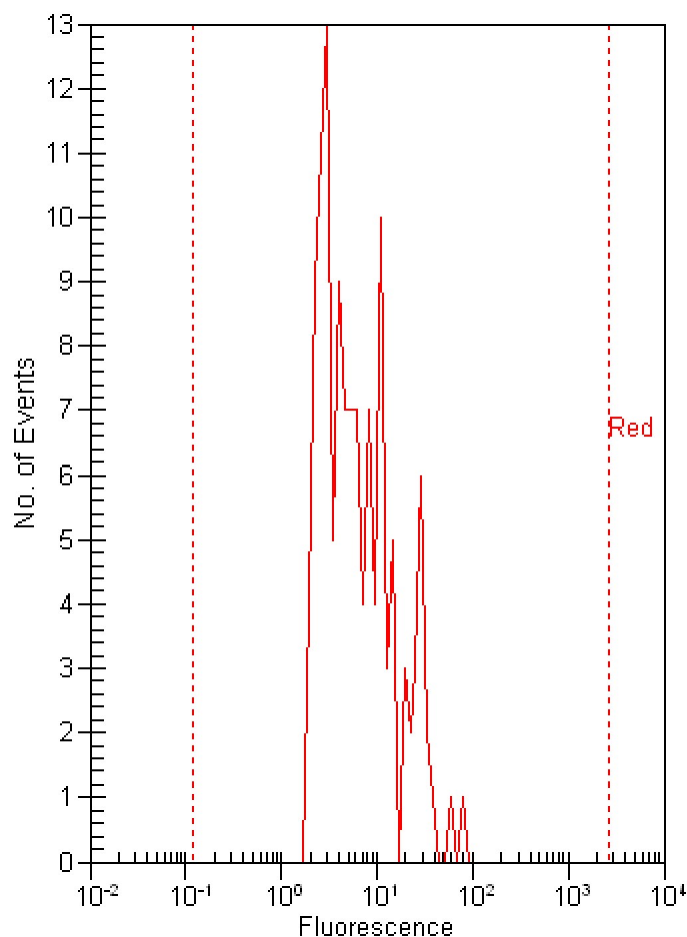
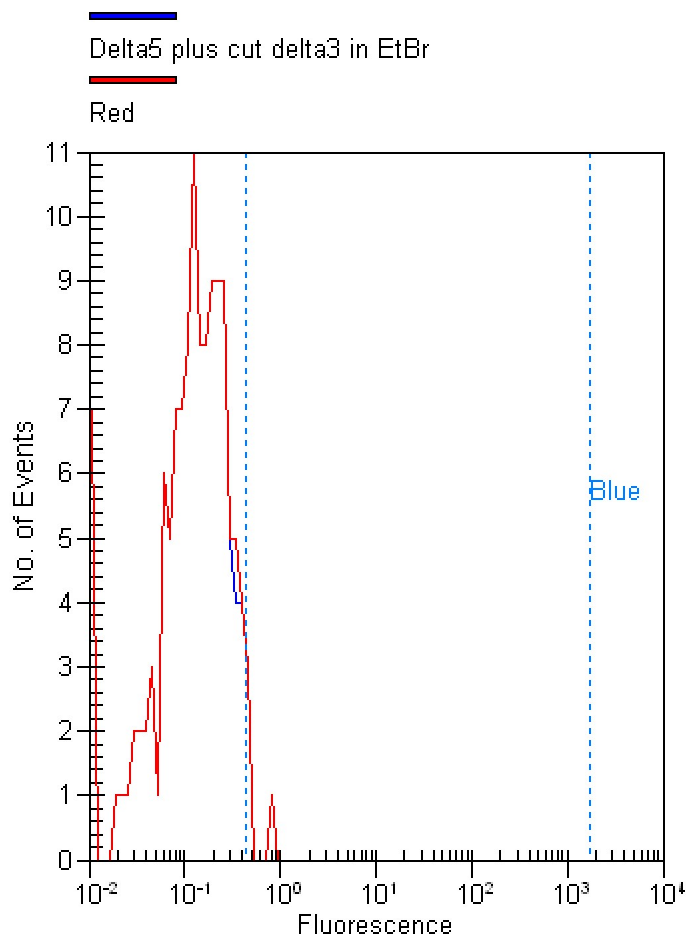
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.03	62.08	125	100.00	N/A	5.29	7.56	142.88	3.97
Red on all events	0.12	2682.70	125	100.00	N/A	5.27	7.53	143.00	3.96

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Histogram Summary Continued ...

Delta5 plus cut delta3 in EtBr



Histogram statistics for sample 5 :

Delta5 plus cut delta3 in EtBr -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.80	125	100.00	N/A	0.16	0.12	75.83	0.11
Gated by Red	0.01	0.80	125	100.00	N/A	0.16	0.12	75.45	0.11
Blue on all events	0.43	1754.75	3	2.40	N/A	0.57	0.16	28.09	0.55
Blue on subset	0.43	1754.75	3	2.40	2.40	0.57	0.16	28.09	0.55

Histogram statistics for sample 5 :

Delta5 plus cut delta3 in EtBr -

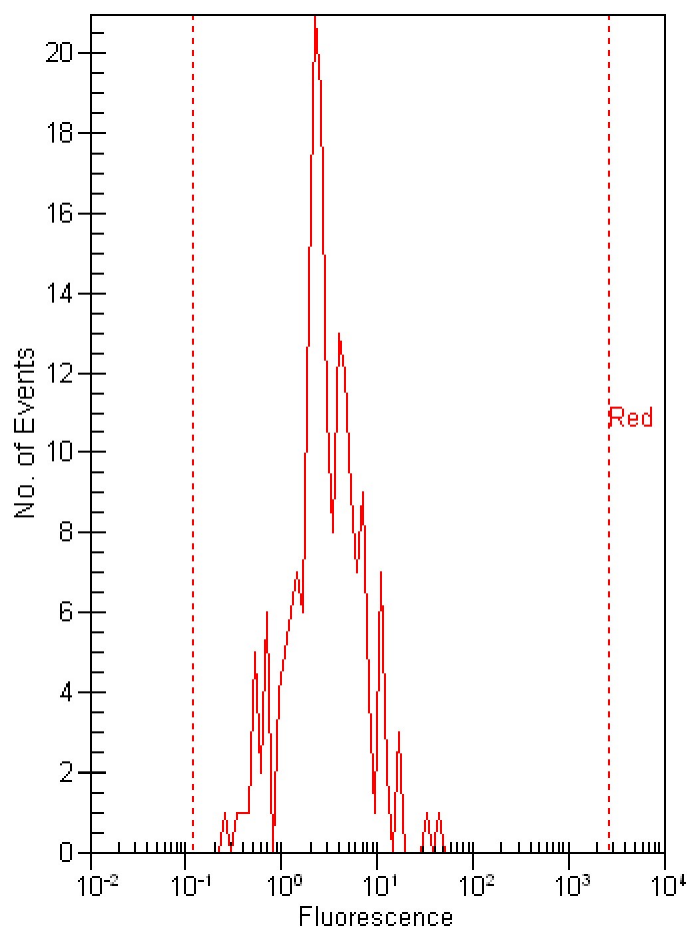
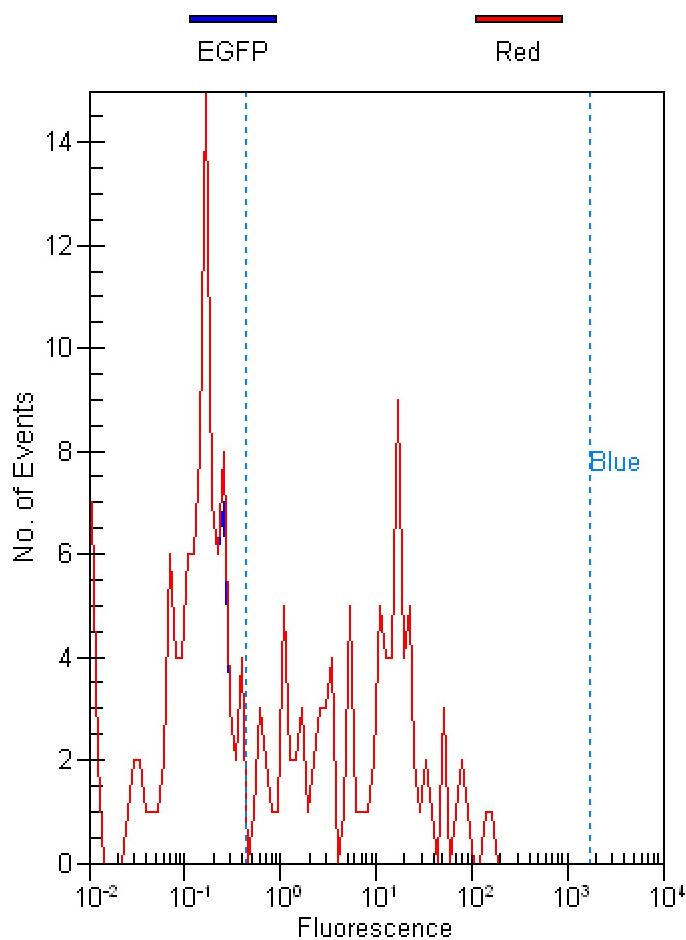
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	85.60	125	100.00	N/A	9.71	11.82	121.71	6.27
Red on all events	0.12	2682.70	125	100.00	N/A	9.65	11.79	122.13	6.22

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Histogram Summary Continued ...

EGFP



Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	157.48	188	100.00	N/A	8.59	20.60	239.78	0.81
Gated by Red	0.01	157.48	188	100.00	N/A	8.55	20.55	240.48	0.81
Blue on all events	0.43	1754.75	90	47.90	N/A	17.70	26.87	151.85	7.28
Blue on subset	0.43	1754.75	90	47.90	47.90	17.70	26.87	151.85	7.28

Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.25	44.85	188	100.00	N/A	4.01	4.76	118.74	2.75
Red on all events	0.12	2682.70	188	100.00	N/A	4.00	4.75	118.79	2.75

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Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/7/2010 5:51:31 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-10-07\2100 expert_Red to Blue_DE72905360_2010-10-07_17-25-05.xad)		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Product Number : G2938C		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Serial# : DE72905360		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Cartridge : Pressure		Instrument	Run		10/7/2010 5:25:11 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01